

# PATENT SPECIFICATION

826,769

DRAWINGS ATTACHED.

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International Classification:—F06b.

## COMPLETE SPECIFICATION.

### Improvements relating to Fastening Devices for Wearing Apparel.

We, THOMAS WALKER LIMITED, a British Company, of St. Paul's Square, Birmingham 3, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to fastening devices for wearing apparel which embody a pressure-applying lever, such as lever clips, lever grips embodied in buckles and the like, lever buckles, and brace and like slides, said fastening devices being of the kind in which the pressure-applying lever is pivotally mounted on and between a pair of sheet-metal side ears or bracket parts projecting from a carrier plate or back plate and has a clamping or gripping arm which in use, moves through a dead-centre position with respect to an opposed surface of said carrier plate or back plate, the pivotal connection being made by means of trunnion projections on the lever engaging bearing apertures in the ears or bracket parts.

In such fastening devices the trunnion projections on the lever have heretofore been in the form of flat lugs having sharp corners, and these corners are liable, especially when the trunnion projections are made of hardened steel, to cut into and wear away the edges of the bearing apertures during the operation of the lever, with the possibility of eventually cutting right through the ears or bracket parts.

The object of the present invention is to obviate the above-mentioned disadvantage.

According to the invention, in a fastening device of the kind referred to, the trunnion

projections on the lever consist of sheet-metal integral extensions of the lever body which are fashioned into a tubular or part-tubular arcuate form such that during closure of the fastening device the bearing pressure upon the edges of the bearing apertures is transmitted by the arcuate surfaces of the trunnion projections or trailing edge portions thereof and not by leading edge portions thereof.

Figure 1 of the accompanying drawing is a side elevation of a lever-clip in which the trunnion projections of the lever are formed in accordance with the present invention. This view shows the lever raised and the gripping jaws of the clip separated.

Figure 2 is a side elevation of the upper part of the clip upon a larger scale, one of the trunnion projections being shown in section.

Figure 3 is a cross-section through one of the bearing apertures, being taken on line III—III, Figure 2 and showing the trunnion projection in elevation.

Figure 4 is a perspective view of the lever separate from the main rear portion and jaws of the clip.

Figure 5 is a side elevation of the lever with one of the trunnion projections in section.

Figure 6 is a fragmentary perspective view showing a trunnion projection in its initial flat form before being fashioned into semi-tubular form.

Figure 7 shows another form of trunnion projection, being fashioned to extend circumferentially to a distance greater than in Figures 1 to 5, but being less than full tubular form.

[Price 3s. 6d.]

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## COMPLETE SPECIFICATION

This drawing is a reproduction of  
the Original on a reduced scale.

Fig. 1.

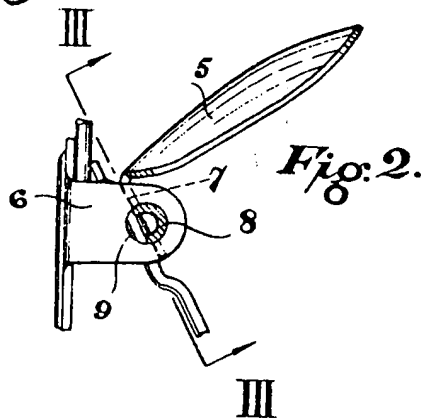
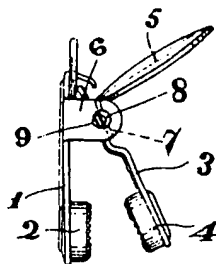


Fig. 3.

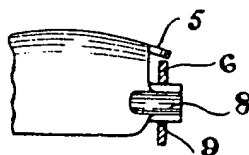


Fig. 4.

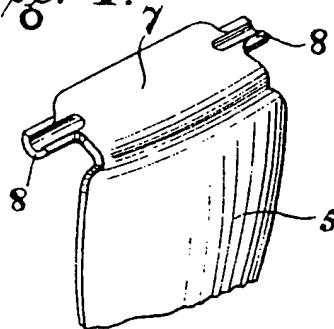


Fig. 5.

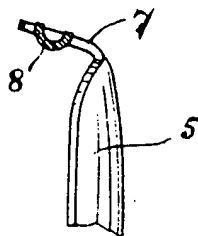


Fig. 6.

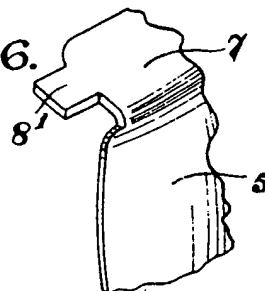


Fig. 7.

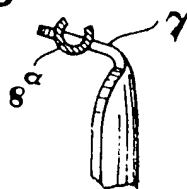


Fig. 8.

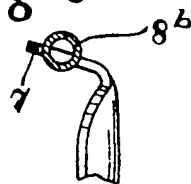


Fig. 9.

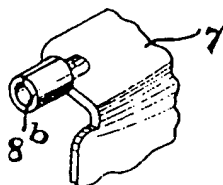
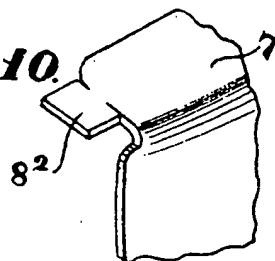


Fig. 10.



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